

All Bidders**Amendment -I**

Subject: Construction of Additional works for making Operation Theatres (OTs) functional at 200 Bedded Nepal Bharat Maitri Emergency and Trauma Centre, Kathmandu, Nepal.

IFB No. : HSCC/SES/MEA/Nepal/OT/2014

This has reference to above IFB No. for the Subject works.

The following Amendment may be noted which shall be treated as part of the contract to be submitted duly signed & stamp along with tender.

S.No.	Bidder's Query	Amended as
I.	A. Under Technical Specification of Major OT: Point No-1, Walls and Ceiling constructions: In Para-3, it has a sentence as "Coving should be wall to wall, ceiling to wall and floor to wall using Aluminum profile". Here please note that coving is required only floor to wall and using same material not aluminum profile for having seamless structure. And also aluminum will fetch unwanted cost. Hence we propose to mention in the sentence 'coving should be floor to wall using same floor material'.	The Sharp corners at the wall to ceiling and wall to wall inside the OTs should be avoided. Coving should be floor to wall of the same material of floor.
II.	Point No-6. Exhaust Air Cabinet. We propose to mention only Exhaust air cabinet from bottom only not top as in top no air pressurizes for exhaust air.	Exhaust air cabinet from bottom only
III.	Point No-8. OT Control Panel Reference: Paragraph 2 and 4. On one hand it says a Touch screen control panel with basic feature as required in normal OT and on other hand it specifies integrated media to control them which is not required and unnecessarily it increase cost. Also the control panel cannot be placed in sterile field as it should be fitted on wall only. Hence to make it generic we propose to remove the sentences- "The touch screen typed control panel should be 19" medical grade color TFT/LED panel stationed in the sterile field". And "The control panel should be able to be integrated with the commonly used OT software in future".	The touch screen typed control panel should be at least 19" color TFT/LED flushed on the wall panel. The words "The control panel should be able to be integrated with the commonly used OT software in future" are deleted.
IV.	Point No-12, Built in storage unit In the same paragraph we proposed to mention the opening allowance of doors of storage unit between 90 and 100 degree. And delete the words 'vacuum insulated glass door'.	The opening allowance of the doors of storage unit shall be between 90 – 100 degrees. The words "Vacuum insulated glass door" are deleted.
V.	Point No- 14. Imported OT light with camera and monitor.	Field size Diameter Depth: 8

	<p>To make it generic and budget suited we propose the following points to be incorporated in the specification.</p> <p>For OT Light:</p> <p>i. Color Temperature: 3800 K- 4800 K and adjustable in 3 steps(i.e 3800K,4000K,4800K)</p> <p>ii. Field size Diameter Depth: 8 inch – 12 inch.</p> <p>iii. Depth of Field: The depth range should be in mm not inch and it should be 30 inch - 38 inch.</p> <p>iv. Light Head Diameter: It is size of light body, where lights are coming in different shapes too, here diameter support only one specific light company, it can be dimension too and is 800mm×720mm of size.</p> <p>v. Rotation: 330 -360 degree.</p> <p>vi. Dimming Range: 20% - 100%.</p> <p>vii. Life of Light Rource ->40000 Hrs</p> <p>For HD Camera:</p> <p>Signal system HD 1080i</p> <p>Resolution 20,00,00 pixel</p> <p>Sensor type 1/3” Clear Vid CMDS Sensor</p> <p>Lens F 1.8 to F 2.1</p> <p>Zoom 120×(10×optical, 12×digital)</p> <p>Viewing angle 50°(wide) to 5.4°(tele)</p> <p>Auto Focus yes, lockable</p> <p>Electronic shutter ½ to 1/10,000 s in 21 steps</p> <p>For Flat Panel Monitor:</p> <p>Monitors HD</p> <p>Picture size 24” HD (610mm)</p> <p>LCD Panel a S1 TFT Active Matrix, in plane switching</p> <p>Aspect ratio 16:10</p> <p>Resolution 1920×1200(WU×GA)</p> <p>Luminance 500 cd/m2</p> <p>Contrast ratio 700:1</p> <p>Number of colors 16.8 million</p> <p>Viewing angle 178°</p> <p>Response time 5 to 12 ms</p>	<p>inch – 12 inch.</p> <p>Depth of Field: The depth range should be 30 inch - 38 inch.</p> <p>Light Head – 30-35 Dia /800mm×720mm of size.</p> <p>Rotation: 330 -360 degree</p> <p>Dimming Range: 20% - 100%.</p> <p>Life of Light Rource - >40000 Hrs</p> <p>Tender specification prevails for the remaining points</p>
VI.	<p>B. Under Technical Specification of Minor OT</p> <p>i. Point No 7. HALOGEN light for OT,</p> <p>Color Temperature: 4300K</p> <p>Light Intensity at 1 mtr distance: 100000Ix - 140000Ix.</p> <p>Depth of Illumination: 1060 mm</p> <p>Light Field diameter : 140 mm – 260 mm</p> <p>Color Rendering Index Ra: 93</p> <p>Service life of lamp: 120w – 150w</p> <p>Diameter of light head: 560mm to 720mm.</p> <p>Weight: 20 – 25 Kg</p> <p>Luminous efficacy in the light field: 280 – 290 lm/w (erroneously mentioned as 2901 lm/w in tender specification)</p> <p>C. We propose the enclosed specification for Scrub Specification and request to mention in BOQ and keep the scope of incremental cost of additional items which are not</p>	<p>B. Light Intensity at 1 mtr distance: 100000Ix - 140000Ix.</p> <p>Light Field diameter : 140 mm – 260 mm</p> <p>Luminous efficacy in the light field: 280 – 290 lm/w</p> <p>C. Scrub is already installed at the site so it is not mentioned in the tender specification and BOQ.</p> <p>Tender specification prevails for the remaining points</p>

	mentioned in BOQ. We further request to incorporate the above proposed points in the tender so as to get more participants in the bidding Process.	
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All other terms & conditions remain unchanged.

CGM (D&E & Proj.)